

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000458

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B5/053

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/123694 A1 (GAVRILOV ILYA ET AL) 5 September 2002 (2002-09-05) cited in the application	19-27, 34-36
Y	paragraph '0158! - paragraph '0182! paragraph '0190! - paragraph '0198!	27-33
Y	DINES K A ET AL: "ANALYSIS OF ELECTRICAL CONDUCTIVITY IMAGING" GEOPHYSICS JUL 1981, vol. 46, no. 7, July 1981 (1981-07), pages 1025-1036, XP002288671	27-33
A	* Imaging system Model p. 1026-1030 * * Network Synthesis p. 1030-1031 * ----- -/--	19-26, 34-36

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

2 August 2004

Date of mailing of the international search report

12/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Trachterna, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA2004/000458

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	OSTERMAN K S ET AL: "Multifrequency electrical impedance imaging: preliminary in vivo experience in breast" PHYSIOL. MEAS. (UK), PHYSIOLOGICAL MEASUREMENT, IOP PUBLISHING, UK, vol. 21, no. 1, February 2000 (2000-02), pages 99-109, XP002288672 ISSN: 0967-3334 abstract page 102, line 15 - line 31	19
A	ABDULLAH M Z: "Simulation of an inverse problem in electrical impedance tomography using resistance electrical network analogues" INT. J. ELECTR. ENG. EDUC. (UK), INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, MANCHESTER UNIVERSITY PRESS, UK, vol. 36, no. 4, October 1999 (1999-10), pages 311-324, XP008032914 ISSN: 0020-7209 * Introduction p. 311-316 * * Image Reconstruction algorithm - The Inverse Problem p. 318-320 *	19-36
A	BARBER D C: "A REVIEW OF IMAGE RECONSTRUCTION TECHNIQUES FOR ELECTRICAL IMPEDANCE TOMOGRAPHY" MEDICAL PHYSICS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 16, no. 2, 1 March 1989 (1989-03-01), pages 162-169, XP000037015 ISSN: 0094-2405 * VI. Reconstruction Algorithms p. 164-167 *	19-36
A	GOLDGEISSER LEONID B ET AL: "Using continuation methods to improve convergence of circuits with high impedance nodes" PROC IEEE INT SYMP CIRCUITS SYST; PROCEEDINGS - IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS 2000 IEEE, PISCATAWAY, NJ, USA, vol. 4, 2000, pages IV 181-IV 184, XP010503567 abstract	27-34

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/000458

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-18
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Diagnostic method practised on the human or animal body
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA2004/000458

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002123694 A1	05-09-2002	WO 02053028 A2	11-07-2002
		CA 2433087 A1	11-07-2002
		EP 1353595 A2	22-10-2003
		US 2004073131 A1	15-04-2004